F. M. Swanzy Elected President

Prof. Maxwell Tells About Fermentateresting Session-Discussions-Etc.

ers' Labor and Supply Company has quire. passed out of existence and a new



F. M. SWANZY, PRESIDENT HAWAI-IAN SUGAR PLANTERS' ASSOCIA-TION.

tone of expressions made, it is evident ing up to the period when the caue

work carried on by the old association. The change has been under consideration for some time, but it has taken much labor to so perfect its a powerful metallicity play any part. As a matter of experience we know that excess of nitrogen due to the formation of sugar, by prolouging the period of growth and preventing taken much labor to so perfect its a normal maturity. organization that beneficial work may be carried out. The by-laws of the new association are lengthy and embrace all that is requisite for success ful operation. Full reports of the meeting will be published later in the Planters' Monthly, official organ of the association. These will be read with interest by all those engaged in the production of sugar, and other

been vastly improved over the products of previous years. This, of course, ed marvelously the yearly outand recommended published in the Planters' Monthly.

Secretary Bolte read by-laws under which the reorganization of the company was asked Under these it is hoped to make the work more effec-tive and broader than it was possible to do heretofore. The organization will hereafter be known as the Hawallan Sugar Pianters' Association, new officials having been named to carry out the provisions of the work

It was unanimously voted to elect the old board of tru-tees Then fol lowed a l-ngthy and interesting paper on the effects of ferilization, prepared and read by Mr Morrison.

Professor Maxwell also read a treatise

on the same subject, from which the appended are excerpts.

Fertilization, in its broadest and

viding of the chemical elements of food by which plants live and grow, and of those mechanical conditions of the soil in which vegetation most

possess these elements in such abundance and relative balance of proportion, and with a measure of availability, which at once constitutes them "good lands." These lands may be cropped for a considerable length of ity, which at once constitutes them "good lands" These lands may be cropped for a considerable length of time, and without giving to them any plant food, b-fore it is observed with certainty that they are losing strength. Again, other soils may stant constitutes them.

PLANTERS RE-ORGANIZE present in the soil in relatively small proportions. We have found the soils of the islands as a whole to contain about one-third of one per cent. of lime, potash, phosphoric acid and nitrogen respectively, and there are unalyses which show that on an average in each 100 tons of our soils 16. of the New Association.

age, in each 100 tons of our soils, 16 tons, and in a few examples 28 tons, of metallic iron are contained. It is true that one third of one per cent of lime, or of the other three elements, in the soil would be ample for a vast number of crops of cane were it available. If these elements in the soil were available, however, what would be the end of a system of agriculture pound may be said to be most value. of. Maxwell Tells About Fermenta-tion of Sugars-Committees Named to Preserve Forests-End of an In-position to modes of fertilization ferent organic manures. When a fer-tilizer is purchased the amounts of these elements should be determined After two days' session the Plant-

better results are hoped for. The new board of officers have assumed their respective duties. Much interest was manifested in the meeting just concluded, perhaps more than on previous occasions. The various reports read were full of matter germane to the cultivation and production of sugar cultivation and production of sugar order to Nitrogen. This element is of the greatest moment to the life and growth of plants. It is a constitu ent of the albuminoids, and these bodies compose in great measure the living protoplasmic fluid which is contained within and moves between the minute cells which form the interior structure of plants. At this place
Professor Maxwell went into an exhaustive examination of the needs of various subjects of interest to the asport on soils to which attention was called yesterday. He shows that nitrogen is the "great want of our soils," and discusses that element

ject of green fertilization. The cane grows by the multiplying of the cells by which it is constructed, and as these cells grow and new ones are formed by aid of the nitrogenous fluid den's report, Mr. Schaefer said he felt sure the Government took great inthe matter of preserving the nitrogen is indispensable to the eco-nomy of its organism, and probabl, the element most vital to its life.

and other commodities. From the production, is from the time of planttone of expressions made, it is evident the association intends to work in earnest and for the common good of all concerned.

As the Hawaiian Sugar Planters' Association, the new name of the body, much broader results are hoped to be obtained in all branches of the work carried on by the old association.

Ing up to the period when the caue gives its attention more exclusively to making and storing up sugar in its cells; consequently it is at the beginning, and during the early part of its life, that the cane demands nitrogen. Sugar is composed exclusively of the elements carbon, hydrogen and oxygen; therefore in the making of sugar by the nitrogen does not directly play any part. As a matter of experience we

the production of sugar, and other source of available nitrogen. If how-adjuncts necessary to carry out that ever, the ammonia and nitrates con adjuncts necessary to carry out that work.

The second and final day's session of the Planters' Labor and Supply Company opened at 9:30 a. m., Tuesday, with President Schaefer in the chair.

J. M. Horner read a report on plantation transportation. Of late years mills, flumes, rails and tramways had been vastly improved over the products of previous years. This, of course, in the report on soils that the waster of previous years. This, of course, in the report on soils that the waster of previous years. This, of course, in the report on soils that the waster of available nitrogen. If however, the ammonia and nitrates con bals and Hilo districts. He was very much surprised to find so much dead timber rotting on the ground; the sight was something awful in his estimation. Investigation proved that the rainfall had materially decreased, manly on account of the formation in destroying both the twice as much as that of the makai that of previous years. This, of course, in the report on soils that the waster that the chief fector in destroying both the limited in rain are the only source of nitrogen which plants make use of it imber rotting on the ground; the sight was something awful in his estimation. Investigation proved that the rainfall had materially decreased, manly on account of the formation in the report on soils that the waster that the rainfall had materially decreased, manly on account of the formation in the report on soils that the waster was the chief fector in destroying both the limited in rain are the only source of nitrogen which plants make use of it imber rotting on the ground; the sight was something estimation. Investigation proved that the rainfall had materially decreased, manly on account of the formation in the report on soils that the waster was the chief fector in destroying both the limited in rain are the only source of nitrogen which plants make use of it is difficult to explain had the only surprised to find on the proving the proving the plants and Hilo districts. He was very much su in the report on soils that the waste of nitrogen from the upper lands is put of sugar. A wrought iron wagon very notable by reason of the heavy was recommended for use in mountain districts. The report was accepted and recommended published in the smaller waste to be included which proceeds from surface vegetable de-composition. These considerations appear to suggest that, in addition to the nitrogen which has been taken up from the soil, by means of the greater vegetable activity upon the upper lands, caused by the greater rainfall, some free nitrogen has been taken from the air and used by vegetation. The grasses, weeds and trees upon the upper lands are not the kinds which to of sugars had been prepared, which was read by the director. In experiments have shown to be great which was read by the director. In notrogen gatherers; but this circum-order to collect information bearing stance only suggests, further, that on the subject a series of questions probably the abstraction of the frenitrogen from the air is a constant various agents, who sent copies to process of vegetation universally, but each of the plantations from which in most instances the amount of ab-

in most instances the amount of ab-straction is so minute and the rate so which, with the professor's observa-Fertilization, in its broadest and slow that experiments, so far, have tious, enabled a conclusive statement pialnest meaning, includes the pro- not detected it. At this time, how to be made upon the subject. Prof. ever, we have no need to consider at length the secondary sources of nitro-gen, all of which element I consider came orginally from the nitrogen of length the secondary sources of nitrogen, all of which element I consider came organally from the nitrogen of the atmosphere, as certainly does the element carbon; and we are interested in speaking of a few well known plants that are believed to be special at San Francisco a considerable diff. essily thrives.

All soils contain materially smaller or greater amounts of all the elements upon which plants feed. Some soils plants that are believed to be special gatherers of nitrogen from the air, and are valuable green fertilizers.

Professor Maxwell, at this point,

strength. Again, other soils may possess the abundance of all necessary food constituents, but not in a state that the plants can u-e; or there may be no even relance in the relative amounts of the elements present, certain being in excess and others in actual want. Moreover, there can be a well-balanced supply of all substances required, and in a sufficient measure of chemical availability, but bad physical conditions, such as a too coarse or too close nature of the soil, and the excess or dearth of moisture, render the food supply inert. Now, where any of these conditions unsuited to fertility combine we find "poor lands."

Those lands, however, which originally possess all the elements which make crops in ample abundance, must give out with time. The most vital necessary food coarse of plant food are byte for the research of the soil, and the excess all the elements which make crops in smple abundance, must give out with time. The most vital information of the plants should the meth-stant constituent of vegetable organics to nome kinds of abundance and at subminoids and invariably, in some that the plants can u-e; or the relative and invariably, in some to the relative on plant oils and fats. During the course o a long study of sugar-making. He thought a proper solution of the question of fermenta and animal life I found that the phosophorus in plant oils and fats. During the course o a long study of sugar-making. He thought a proper solution of the question of fermenta and animal life I found that the phosophorus of the functions of phosphorus in plant oils and fats. During the found that the phosophorus and at the other places, which showed plainly of the functions of phosphorus in plant oils and fats. During the found that the phosophorus of the soil, and the phosphorus phosphorus in plant oils and fats. During the functions of phosphorus in plant oils and fats. Purther, in the document of the soil, and the functions of phosphorus in plant the sugar-making. He thought a valuable experience in that the gen strength. Again, other soils may stant constituent of vegetable organ-possess the abundance of all necessisms. It is present in some kinds of

age, in each 100 tons of our soils, 16 have been considered there are certain were available, however, what would be the end of a system of agriculture will continue to draw upon the soil and place nothing in return? Exhaustion will continue to draw upon the soil and place nothing in return? Exhaustion when a forwhich aim to maintain and increase and the data taken to calculate the the fertility of soils, not only by mak-ing good the substance which crops have taken out but by providing in which these elements are contained quire.

In the report on soils, by way of explaining the reasons why in the examination our "soils" has shown us

President, F M. Swanzy. Vice President, Juo. F. Hackfeld. Secretary, C. Bolte. Treasurer, P. C. Jones.

AFTERNOON SESSION.

F. M. Swanzy, the new president, occupied the chair at the afternoon

terest in the matter of preserving the forests. President Dole had inquired into the matter when on his visit to Hawaii. The chief executive had informed him that the Government was willing to appoint a commission to deal with the subject. The speaker referred to sections on the big island that had been fenced and improved, much of the work having been done by private capital. Unless some steps were taken in the near future, much damage would result to several dis-tricts on the island of Hawaii.

Several gentlemen made remarks touching the matter under discussion, the consecus of opinion showing that some action must be taken in the premises, and that, too, as soon as possible. President Swauzy thought the Government made a mistake in

recent visit made to Hamakus, Kothe chief fertilizer of these islands, and unless care was taken in preserv ing the supply, serious results would follow the production of cane. He considered Hilo the most important water point of the islands.
W. M. Giffard believed it expedient

that committees be appointed in the several districts, whose duties should be to look into the water supply and preservation of forests

Maxwell's paper dwelt upon the de at San Fraucisco a considerable difterence was noticeable, chiefly in sugars of No. 1 grade. Reference was made to other grades, snowing gains and losses by rebuiling, etc Di-cussion of Prof. Maxwel's paper

brought out many facts and theories regarding the manufacture of variou grades of sugar. Chemist Crawley made a few remarks about the methods employed in Louisiana and at



THE ONE FAVOR HE ASKED. "Mother, I've a favor to ask of you. If you are a-goin' to lick me, don't do it with a slipper. It always unmans me!"

meeting, prevailed, after which the session closed with a vote of thanks to the retiring officers for valuable as-sistance rendered the association.

At the age of 80 Sir Henry Parkes, ex-Prime Minister of New South Wales, marries Miss Julia

Everywhere We Go

soils," and discusses that element as follows:

The source of the organic nitrogen present in soils is not only a question of scientific interest, it may be made to involve the further practical subject of green fertilization. The cane more full account of the commissionic of green fertilization. The cane more full account of the suggestions are praising this great medicine for what it has done for them and their friends Taken in time Hood's Sartaparilla, all bands are praising this great medicine for what it has done for them and their friends Taken in time Hood's Sartaparilla, all bands are praising this great medicine for what it has done for them and their friends Taken in time Hood's Sartaparilla, all bands are praising this great medicine for what it has done for them and their friends Taken in time Hood's Sartaparilla, all bands are praising this great medicine for what it has done for them and their friends Taken in time Hood's Sartaparilla, all bands are praising this great medicine for what it has done for them and their friends Taken in time Hood's Sartaparilla, all bands are praising this great medicine for what it has done for them and their friends Taken in time Hood's Sartaparilla, all bands are praising this great medicine for what it has done for them and their friends Taken in time Hood's Sartaparilla, all bands are praising this great medicine for what it has done for them and their friends Taken in time Hood's Sartaparilla, all bands are praising this great medicine for what it has done for them and their friends Taken in time Hood's Sartaparilla, and the conduction of the part of the members, and at the conduction of the part of the members, and at the conduction of the part of the members, and at the conduction of the part of the members, and at the conduction of the part of the members, and at the conduction of the part of the members, and at the conduction of the part of the members, and at the conduction of the part of the part

Hood's Pills become the favorite cathartic with every one who tries them. 25c. per box. Hobron Drug Co, wholesale agents

Notice of Registration of Label and Trade Mark.

HAVING SECURED FROM THE MINISter of the Interior, under the laws of the Hawaiisn Islands, a Certificate of Registra-tion of Label and Trade Mark, as now used

tion of Label and Trade Mark, as now used by us.

Notice is hereby given that the Honolulu Soap Works Company will prosecute in the Courts of the Republic all persons or firms selling soap in the Hawaiian Islands under the Label or Trade Mark of the Company or under the name of "Honolulu Soap" or "Hawaiian Soap," except soap of our manufacture.

HONOLULU SOAP WORKS COMPANY, LIMITED.

W. MCCHESNEY,
President.
Honolulu, November 4th, 1895.

Honolulu, November 4th, 1895. 4160 1711-3t

HAVING JUST RETURNED FROM Japan, where I have been in the interests of the labor supply for our plantations. I am prepared to furnish any number of laborers under the only practicable plan yet

put forth.
MY PLAN as set forth in the prospectus

MY Plan as set forth in the prospectus of Ogura & Co., requires the planters to pay the passage money of the laborer to this place and other expenses after arrival. \$25 passage money for each male and \$20 for each female.

After investigation of the subject, I am satisfied that it is the only plan by which laborers can be recruited for this place and be reasonably sure of obtaining them.

I most respectfully request that your orders be placed with me as soon as p ssible in order to secure the approval of the authorities here and to enable me to have the laborers recruited quickly. laborers recruited quickly.

G. E. BOARDMAN.

4159-1w 1709-1m Agent for Ogura & Co.

Assignee's Notice.

THE UNDERSIGNED HAVING BEEN THE UNDERSIGNED HAVING BEEN duly sppointed assignee in bankruptucy of the estate of 8 Kasamatsu, notice is hereby given to all persons to present immediatly their claims against the Pacific Trading Company of Honolulu and Sunrise Store of Honomu, duly authentisted, to the undersigned at the office of Messrs. H. Hackfeld and all persons indebted to said estate are hereby requested to make immediate payment to the undersidned.

C. BOSSE. Assignee, Estate of S. Kasamatsu.

CHAS. BREWER & CO.'S

The Bark "lolani"

Will go on the berth in New York or about January 1st, and sail for this port on or about FEBRUARY 1st. 1895.

sufficient inducement offers. For particulars, call or address CdAS. BREWER & CO., 27 Kilby street. Boston, or Brewer & Co., L'D., Agents. Honolulu.

OTO GUIDE THROUGH HAWAII H. M. Whitney, Publisher.

Only Complete Guide Published. BEAUTIFULLY ILLUSTRATED. PRICE 75c.

For Sale by Hawaiian News Co.,

It does not do to change the diet of infants when a food is found to agree with them. We therefore aim to keep a full supply of foods. Here are some we have:

Bartlet's Food Horlick's Malted Milk Mellin's Food Lactated Food Lacto-Preparata Imperial Granum Nestle's Food Ridge's Food Lacto-Cereal Carnrick's

You are sure of getting any of the standard infant foods

Wealth

Of vitality and energy, a good appetite and perfect health are obtained and endure by taking

> Peruvian **Bitters**

Which tone up the stomach and invigorate the blood. In cases of la grippe, malaria, malarial fever and kindred troubles, Peruvian Bitters always bring speedy relief and

The Perfect Tonic. For sale everywhere. Take no substitute.

MACK & CO., Sele Preprieters, San Francisco, Cal.

HOBRON DRUG GO. EXCLUSIVE AGENTS.

Daily Advertiser 75 cents month. Delivered by carrier.

COLOS, COUGHS. INFLUENZA, SORE THROAT

Ayer's Cherry Pectoral



Will relieve the most distressing cough, soothe the inflamed membrane, loosen the phlegm, and induce refreshing sleep. For the cure of Croup, Whooping Cough, Sore Throat, and all the pulmonary troubles to which the young are so liable, there is no other remedy so effect-

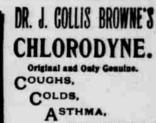
AYER'S **Cherry Pectoral**

A Record of nearly 60 years

Gold Medals at the World's Chief Exposition 57 The name, Ayer's Cherry Pectoral, is prominent on the wrapper and is blown in the glass of each bottle. Take no cheap

HOLLISTER DRUG COMPANY,

Agents for Hawaiian Islands,



BRONCHITIS. Dr. J. Collis Browne's Chlorodyne.
Vice-Chancellor SIR W. PAGE WOOD
stated publicly in court that Dr. J. COLLIS
BROWNE was undoubtedly the INVENTOR of CHLORODYNE, that the whole
story of the defendant Freeman was deliberately untrue, and he regretted to say it
had been sworn to. See The Times, July
13, 1864.

Dr. J. Collis Browne's Chlorodyne is a liquid medicine which assuages PAIN of EVERY KIND, affords a calm, refreshing sleep WITHOUT HEADACHE, and INVIGORATES the nervous system when exhausted. Is the Great Specific for Cholera, Dysentry, Diarrhea.

The General Board of Health, London, report that it ACTS as a CHARM, one dose generally sufficient.

Dr. Gibbon, Army Medical Staff, Cal-cutta, states: "Two doses completely cured me of diarrhoea."

Dr. J. Collis Browne's Chlorodyne Is the TRUE PALLIATIVE in Neuralgia, Gout, Cancer, Toothache, Rheumatism.

Dr. J. Cellis Browne's Chlorodyne Rapidly cuts short all attacks of Epilepsy, Spasses, Colic, Palpitation, Hysteria.

Important Caution.—The Immense Sale of this Remedy has given rise to many Unscrupulous Imitations.

N. B.—Every Bottle of Genuine Chlorodyne bears on the Government Stamp the name of the inventor, Dr. J. Collia Browne. Sold in bottles 15. 14d., 23. 9d. and 45. 6d., by all chemists.

Sole Manufacturer,

J. T. DAVENPORT,

38 Great Russell street, London, W. C. Important Caution .-- The

HOLLISTER DRUG COMPANY,

Agents for Hawaiian Islands.



POWELL'S BALSAM OF ANISEED

WILL CURE YOUR COUCH. A LL THE WORLD OVER, THE RECOG-20,000 CHEMISTS SELL IT.

Those who have not already given it a trial should do so at once. IN PALACE AND COTTAGE ALIKE POWED'S Raisses of Anissed is the old and unexcelled COUGH REARDY. Its large sais throughout the whole sivilized world pra-cisions its great worth.

L COSENS THE PHLEGM IMMEDIATELY,
NIGHT COUGH QUICKLY RELIEVED.
SEE TRADE WARE AS ABOVE ON EACH WRAPPER. See the words "Thomas Powell, Blackfriars Road, London," on the Government Stamp. Refuse Imitations. Established 1834. SQUATTERS and PARMERS WHEN ORDER.
ING THEIR STORES SHOULD NOT OMIT THE
TIME-HONOURED COUGH REMEDY.

FOR A COUGH. DOWELL'S BALSAM OF ANISEED. OR ASTHMA, INFLUENZA, &c.

COLD BY CHEMISTS and STOREKEEPERS
STEROUGHOUT the AUSTRALIAN, NEW ZEA.
LIND AND CAPE COLONIES.
Bottles la list and to as

Agents for Honolulu, HOLLISTER DRUG COMPANY, L.D.



AT GAZETTE OFFICE.